

Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 10767  
Application ID: 09681068  
Title of Invention: ACQUISITION OF HIGH-TEMPORAL FREE-BREATHING MR IMAGES  
First Named Inventor: Manojkumar Saranathan  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2000-12-19  
Submission Type: Utility Patent Filing  
Filing Type: new-utility  
Confirmation Number: 0  
Attorney Docket Number: GEMS8081.037  
Digital Certificate Holder: cn=Timothy J Ziolkowski, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US  
Certificate Message Digest: LAyUTEetqlxNfcJO5hj4Aw==  
Total Fees Authorized: \$1006.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 70845  
Deposit Account Name: Timothy J. Ziolkowski



09681068-10767

# TRANSMITTAL FORM



Electronic Version  
1.0.2

Stylesheet Version: 1.0

Attorney Docket  
Number:

GEMS8081.037

## ACQUISITION OF HIGH-TEMPORAL FREE-BREATHING MR IMAGES

First Named Inventor: Mr. Manojkumar Saranathan

### SUBMITTED BY

Name:

Mr. Timothy J. Ziolkowski Esq.

Electronic Signature

Date Signed: 20001219

Mark: /s/Timothy J. Ziolkowski

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

fee-transmittal

submitfee.xml

bibd-transmittal

submitapds.xml

specification

8081.037.xml

declaration

decl.tif

declaration

decl.tif

dec1.tif  
dec1.tif  
dec1.tif

dec1.tif  
dec2.tif  
dec3.tif  
dec4.tif  
dec5.tif

Parameter	Value	Unit
Temperature	25.0	°C
Pressure	1.0	atm
Flow rate	1.0	L/min
Concentration	0.1	mol/L
pH	7.0	
Wavelength	254	nm
Scan rate	1.0	nm/min
Integration time	1.0	s
Resolution	0.5	nm
Slit width	1.0	mm
Detector	Photodiode array	
Software	Chromatography	
Hardware	PC	
Version	1.0	
Author	J. K. Stille	
Address	Department of Chemistry	
University	University of Oslo	
Country	Norway	
E-mail	stille@kjemi.uio.no	
Phone	+47 22 19 32 00	
Fax	+47 22 19 32 01	
Web	http://www.kjemi.uio.no	

Comments:

[illegible]

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**COMBINED DECLARATION AND POWER OF ATTORNEY**

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As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is of the following type

- original
- design
- supplemental
- national stage of PCT
- divisional
- continuation
- continuation-in-part (CIP)

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**ACQUISITION OF HIGH-TEMPORAL FREE-BREATHING MR IMAGES**

**SPECIFICATION IDENTIFICATION**

the specification of which:

- (a) ■ is attached hereto.
- (b) • was filed on \_\_\_\_\_, 2000 as • Serial No. \_\_\_\_\_  
or • Express Mail No., as Serial No., not yet known, and was amended  
on (if applicable).
- (c) • was described and claimed in PCT International Application No.  
\_\_\_\_\_ and as amended under PCT Article 19 on  
\_\_\_\_\_ (if any).

### ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information

- + which is material to patentability as defined in 37, Code of Federal Regulations, §1.56
- + and which is material to the examination of this application namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.
- + In compliance with this duty there is an information disclosure statement in accordance with 37 CFR 1.98 herein attached.

### PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- No such applications have been filed.
- Such applications have been filed as follows:

### PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119

COUNTRY	APPLICATION NO.	DATE OF FILING	PRIORITY CLAIMED
			• YES • NO
			• YES • NO

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)**  
**(34 U.S.C. § 119(e))**

I hereby claim the benefit under Title 35, United States Code, § 119(3) of any United States provisional application(s) listed below:

**PROVISIONAL APPLICATION NUMBER**

**FILING DATE**

**CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATION(S)**  
**UNDER 35 U.S.C. 120**

- The claim for the benefit of any such applications are set forth in the attached ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CONTINUATION-IN-PART (C-I-P) APPLICATION.

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS**  
**(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION**

- No such applications have been filed.
- Such applications have been filed as follows:

COUNTRY	APPLICATION NO.	DATE OF FILING	PRIORITY CLAIMED
			• YES • NO

**POWER OF ATTORNEY**

I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Timothy J. Ziolkowski      Reg. No. 38,368  
Joseph P. Fox              Reg. No. 41,760

along with the following registered attorneys and agents of GE MEDICAL SYSTEMS, 3000 North Grandview Boulevard, W-710, Waukesha, Wisconsin 53188:

Christian G. Cabou          Reg. No. 35,467  
Phyllis Y. Price             Reg. No. 34,234

along with the following registered attorneys and agents of GENERAL ELECTRIC COMPANY, 3135 Easton Turnpike, W3C, Fairfield, Connecticut 06431:

Jay L. Chaskin              Reg. No. 24,030  
Ronald E. Myrick          Reg. No. 26,315  
Henry J. Policinski        Reg. No. 26,621

09681068-121900

- Attached as part of this declaration and power of attorney is the authorization of the above-named attorney(s) to accept and follow instructions from my representative(s).

**SEND CORRESPONDENCE TO****DIRECT TELEPHONE CALLS TO:**

Timothy J. Ziolkowski  
Cook & Franke S.C.  
660 East Mason Street  
Milwaukee, Wisconsin 53202-3877

(414) 271-5900

**DECLARATION**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**SIGNATURES**

Full name of **First Inventor** Manojkumar Saranathan

Inventor's signature S. Manoj Kumar

Date 7-Dec-2000 Country of Citizenship INDIA

Residence Rockville, Maryland

Post Office Address 5508 Dowgate Ct., #202, Rockville, MD 20851

Full name of **Second Inventor** Thomas K.F. Foo

Inventor's signature Thomas K.F. Foo

Date 7-Dec-2000 Country of Citizenship MY

Residence Rockville, Maryland

Post Office Address #10 Great Pines Court, Rockville, MD 20850

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Full name of **Third Inventor** J. Andrew Derbyshire

Inventor's signature J. A. Deryl

Date 7<sup>th</sup> DECEMBER 2000 Country of Citizenship UK

Residence Baltimore, Maryland

Post Office Address 7408 Brixworth Court, #304, Baltimore, MD 21244

■ This declaration ends with this page

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# FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 1 006**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 07-0845

Deposit Account Name: General Electric Company



## SUBMITTED BY

Authorized Name: Timothy J. Ziolkowski

Electronic Signature Mark: /s/TJZ

Date Signed: 20001219

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 710

Subtotal For Basic Filing Fee: \$ 710

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 32	103	\$ 18	12	\$ 216
Independent Claims: 4	102	\$ 80	1	\$ 80

Subtotal For Extra Claims Fees: \$ 296